



INT-03-001

March 24, 2004

To: Commissioner for Patents
P.O.Box 1450
Alexandria, VA 22313-1450

Fr: George O. Saile, Reg. No. 19,572
28 Davis Avenue
Poughkeepsie, N.Y. 12603

Subject: | Serial No. 10/780,214 02/17/04 |

Thomas Aisenbrey

LOW COST ANTENNAS AND ELECTROMAGNETIC
(EMF) ABSORPTION IN ELECTRONIC CIRCUIT
PACKAGES OR TRANSCEIVERS USING CONDUCTIVE
LOADED RESIN-BASED MATERIALS

INFORMATION DISCLOSURE STATEMENT

Enclosed is Form PTO-1449, Information Disclosure Citation
In An Application.

The following Patents and/or Publications are submitted to
comply with the duty of disclosure under CFR 1.97-1.99 and
37 CFR 1.56..

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being
deposited with the United States Postal Service as first class
mail in an envelope addressed to: Commissioner for Patents,
P.O. Box 1450, Alexandria, VA 22313-1450, on April 12, 2004.

Stephen B. Ackerman, Reg.# 37761

Signature/Date Step B Ackerman 4/12/04

U.S. Patent 4,134,120 to DeLoach et al., "Whip Antenna Formed of Electrically Conductive Graphite Strands Embedded in a Resin Material," describes antennas formed from fiber reinforced resin material.

U.S. Patent 5,771,027 to Marks et al., "Composite Antenna," describes a composite antenna having a grid comprised of electrical conductors woven into the warp of a resin reinforced cloth forming one layer of a multi-layer laminate structure of an antenna.

U.S. Patent 6,249,261 to Solberg, Jr. et al., "Polymer, Composite, Direction-finding Antenna," describes a direction-finding material constructed from polymer composite materials, which are electrically conductive.

U.S. Patent 6,531,983 to Hirose et al., "Method for Antenna Assembly and an Antenna Assembly with a Conductive Film Formed on Convex Portions," describes a dielectric antenna wherein a circuit pattern is formed of a conductive film or resin.

U.S. Patent 6,617,976 to Walden et al., "Utility Meter Pit Lid Mounted Antenna, Antenna Assembly and Method," teaches, without providing details, that an antenna could be formed of conductive plastics.

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U.S. Patent 6,320,753 to Launay, "Integrated Circuit Board Combining External Contact Zones and an Antenna, and Process for Manufacturing Such a Board," describes forming an antenna using silk-screen printing of a conductive ink or a conductive resin.

U.S. Patent Application Publication US 2002/0109634 A1 to Aisenbrey, "Low Cost Antennas Using Conductive Plastics or Conductive Composites," discloses low cost antennas formed of conductive loaded resin-based materials.

Co-Pending U.S. Patent INT-01-002-CIP, Filed 12/04/02, Serial No. 10/309,429, assigned to the same assignee, "Low Cost Antennas Using Conductive Plastics or Conductive Composites," discusses antennas formed of conductive loaded resin-based materials.

Sincerely,

A handwritten signature in black ink, appearing to be 'SBA', written over a horizontal line.

Stephen B. Ackerman,
Reg. No. 37761

Form PTO-1449

Doc No (Number) (Optional)

Application Number

INT-03-001

10/780,214

Applicant

Thomas Aisenbrey

Filing Date

02/17/04

Group Art Unit

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

APR 15 2004

(Use several sheets if necessary)

U. S. PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	NUM DATE X APPROXIMATE
4134120	1/9/79	DeLoach et al.	343	715	10/12/76
5771027	6/23/98	Marks et al.	343	912	4/28/97
6249261	6/19/01	Solberg, Jr. et al.	343	801	3/23/00
6531983	3/11/03	Hirose et al.	343	700ms	7/17/00
6320753	11/20/01	Launay	361	760	9/17/98
6617976	9/9/03	Walden et al.	340	870.02	11/19/01

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Portmox Pages, Etc.)

-	U.S. Patent App. Publication US 2002/0109634 A1, Filed 2/14/02, Pub. Date 08/15/02, to Aisenbrey, US Class 343/700ms.
-	Co-Pending U.S. Patent INT-01-002-CIP, Filed 12/04/02, Serial # 10/309,429, assigned to the same assignee.
	"Low Cost Antennas Using Conductive Plastics or Conductive Composites."

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.